

Monitoring Well Construction Standards

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Substandard wells...

- May start showing signs of deterioration as soon as 24 hours after construction.
- Contributing to groundwater contamination.
- Time spent at the site.
- Costly repairs.

Well and Boring Standards, SAM Manual App. B, Page B-17-19 (p, r, s).

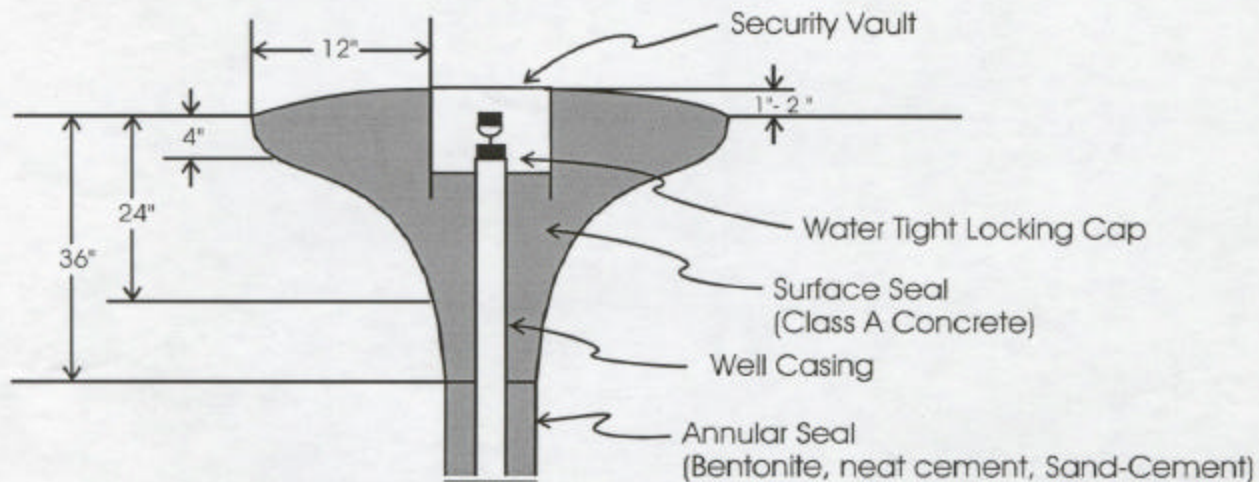
- **The surface seal shall extend a minimum of 24 inches (monument well) or 12 inches (flushed well) around the perimeter of the protective casing and extend a minimum of 36 inches below surface grade.**
- **The surface seal shall consist of concrete able to withstand the maximum anticipated load without cracking or deteriorating. The concrete shall meet Class A specifications which meet a minimum 4000-pound compressive strength.**

All wells must be constructed....

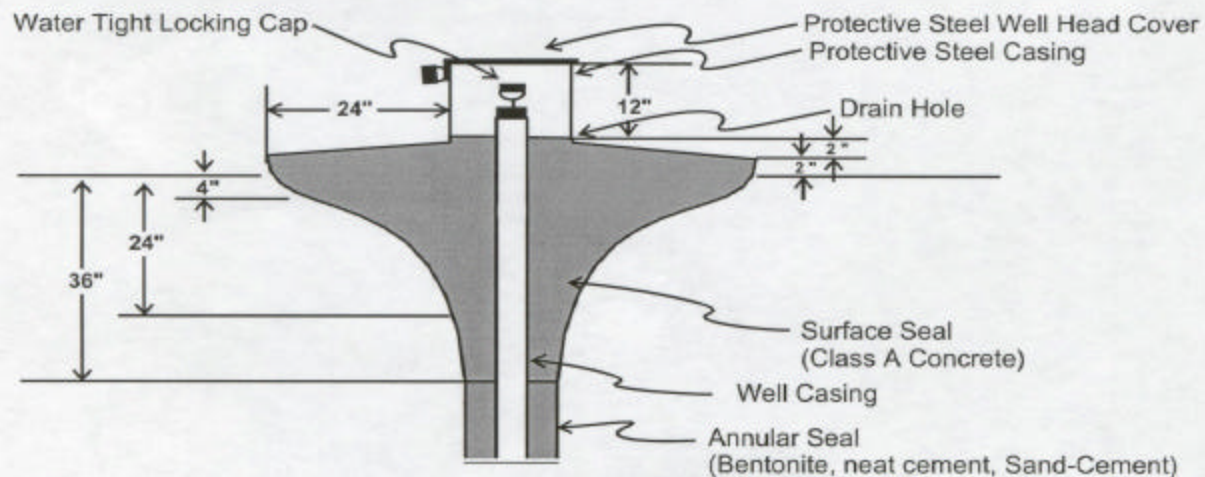
- **Class A Concrete with a minimum 4000-pound compressive strength.**
- **The surface seal must extend a minimum of 36" below surface grade.**
- **Positive drainage.**
- **Properly secured.**
- **Any variation in these construction standards must be approved by DEH.**

Monitoring Well Construction Diagram

Flush - Grade Well Head Construction



Monument Well Head Construction



Wells constructed to standards...

- Reduce contamination into groundwater.
- Save time.
- Save \$\$\$ on costly repairs.